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| Nota di bibliografia | Includes bibliographical references and index. |
| Nota di contenuto | Doppler Sonography: A Brief History -- Physical Principles of Doppler Ultrasonography -- Spectral Doppler: Basic Principles and Instrumentation -- Arterial Doppler: Waveform Analysis And Hemodynamic Interpretation -- Venous Doppler: Waveform Analysis and Hemodynamic Interpretation -- Sonographic Color Flow Mapping: Basic Principles 3-Dimensional Power Doppler -- New Doppler Technologies for clinical Application -- Biosafety of Diagnostic Doppler Ultrasonography -- Fetal Cardiovascular Physiology -- Maternal Cardiovascular physiology and Assessment -- Umbilical Doppler Velocimetry: Normative Data and Diagnostic value -- The Aortic Isthmus and Descending Aorta -- Intrauterine Blood Flow and Postnatal Development -- Fetal Cerebral Doppler – Development, Basics -- Fetal Cerebral placental ratio – Clinical Applications -- Cerebral Blood Flow Velocity Waveforms and Fetal anemia -- Pulsed Doppler Ultrasonography of the Human Fetal Renal Artery -- First and second trimester Doppler Velocimetry of the Uteroplacental Circulation -- Doppler Velocimetry and Hypertension -- Fetal Doppler Velocimetry in monochorionicregnancy: TAPS, TTTS and TRAP -- Doppler Sonography in Pregnancies Complicated with Pregestational Diabetes Mellitus -- |

Doppler Velocimetry in Prolonged Pregnancies -- Doppler Velocimetry for Fetal Surveillance: Adverse Perinatal Outcome and Fetal Hypoxia -- Absent and Reversed End-Diastolic Velocity in the Umbilical Artery and its Clinical Significance -- Doppler Velocimetry in FGR: Randomized Clinical Trials and Implications for Practice -- Doppler Investigation of Fetal Inferior Vena Cava -- Ductus Venosus in health and disease -- Doppler Investigation of the Fetal Coronary Circulation -- Doppler Investigation of the Umbilical Venous Flow -- Doppler Investigation of the Pulmonary Venous Circulation -- Introduction to Fetal Doppler Echocardiography -- Doppler Echocardiography for Managing Congenital Cardiac Anomalies -- Doppler Echo Fetal Cardiac Arrhythmia -- Four Dimensional B Mode and Color Doppler Echocardiography of the Human Fetus -- Echocardiographic Evaluation of Function: Fetal Heart Failure -- Doppler Echocardiographic in Fetal Growth Restriction -- Evaluation of Pulmonary and Ductal Vasculature and Non-steroidal Drugs -- Three Dimensional Doppler Ultrasound in Gynecology -- Placenta accreta: diagnosis, management and the molecular biology of the morbidly adherent placenta -- Doppler Ultrasonography for Benign Gynecologic Disorders (formerly Zalud) AND new: Doppler ultrasonography and ectopic pregnancy and infertility -- Doppler Ultrasonography for Gynecologic Malignancy. .

Sommario/riassunto

This book, now in a comprehensively revised and expanded third edition, covers the full spectrum of applications of Doppler ultrasound within Obstetrics and Gynecology. The current standards of practice in Doppler ultrasound are described, and information presented on the most recent developments in clinical practice and technology. The basic and physical principles of Doppler ultrasound are also clearly explained. Among other topics, the chapters on obstetric applications address the use of Doppler for fetal examination, including investigation of the fetal cerebral circulation; Doppler echocardiography of the fetal heart; and the role of Doppler in cases of post-term pregnancy and multiple gestation. The final part of the book focuses on the use of Doppler ultrasound in patients with gynecologic conditions, including ectopic pregnancy, infertility, benign disorders, and malignancies. Written by distinguished experts in the field, this superbly illustrated book will be a must-have reference for maternal-fetal medicine specialists, obstetrician-gynecologists, radiologists, and sonographers and will also be of value for researchers in the field. .
